COS126 First Programming Activity

- Pair Activity: Command-line arguments, Output

    – Driver:

    – Navigator:

For reference, here is a copy of `HelloWorld.java`.

```
/***********************************************************************
 *    Name:      Kevin Wayne
 *    Login:     wayne
 *    Precept:   P05
 *
 *    By tradition, this is everyone's first program.
 ***********************************************************************/
public class HelloWorld {
    public static void main(String[] args) {
        System.out.println("Hello, World");
    }
}
```

1. Modify `HelloWorld.java` to read in a *name* and an *age* from the command line (both handled as `String` arguments) and output: *name* is *age* years old.

```
/***********************************************************************
 *    Name:
 *    Login:
 *    Precept:
 *
 *    Inputs 2 command line arguments.  Outputs sentence using them.
 *    Example of difference between print() and println().
 *
 *    Compilation: javac NameAge.java
 *    Execution:   java NameAge name age
 *    Dependencies: none
 *
 *    > java NameAge Alice 19
 *    Alice is 19 years old.
 ***********************************************************************/
public class NameAge {
    public static void main(String[] args) {



        }
    }
```

2. Now, modify NameAge.java to create NextYear.java. Use `Integer.parseInt()` to store age as an integer and output: Next year *name* will be *age+1* years old.

```
/**************************************************************************
 *    Name:
 *    Login:
 *    Precept:
 *
 *    Inputs 2 command line arguments.
 *    Converts 2nd argument to an integer and adds one to it.
 *    Example of difference between + for concatenation and + for addition.
 *    Outputs sentence.
 *
 *    Compilation: javac NextYear.java
 *    Execution:   java NextYear name age
 *    Dependencies: none
 *
 *    > java NextYear Alice 19
 *    Next year Alice will be 20 years old.
 *
 **************************************************************************/
public class NextYear {
    public static void main(String[] args) {




    }
}
```

3. Recommended Book Exercises after you have installed java and DrJava: 1.1.1 thru 4.

4. Recommended Book Exercise after you have read thru page 22: 1.2.7.